SUBJECT INDEX

Acrolein, p. 142
Acute toxicity, p. 306
Animal exposure, p. 328
Apparel flammability, p. 175
Bioassay, p. 82
Burning rates, pp. 5, 348
Calorimetry, pp. 205, 380
Carbon monoxide, p. 142
Cavity wall insulation, p. 179
Cellulose derivatives, p. 248
Chloride ions selective electrode p. 106
Chlorofluoropolymers, p. 153
CO, p. 104
Combustion, pp. 260, 415, 427
Combustion conditions, p. 328
Combustion modifier, p. 439
Combustion products, pp. 205, 328
Combustion toxicity, p. 82
Combustion toxicology, pp. 306, 362
Cotton cellulose, p. 248
Cotton fabrics, p. 236
Density of smoke, p. 427
Diffusion, p. 60
Diffusion flame, p. 70
DIN tube, p. 427
Ease of extinguishment, p. 175
Electrical nonmetallic tubing, p. 37
Electroencephalogram, p. 20
Evolved combustion products, p. 104
Evolved gas analysis, p. 260
Experiment (heating rate) p. 257
External radiation, p. 70
Extinction limit, p. 70
Extinguishability, p. 175
Fabrics, p. 205
Fiberboard, p. 454
Fire, p. 348
Fire gases, p. 286
Fire modeling, pp. 123, 306
Fire models, p. 427
Fire proofing, p. 454
Fire tests (laboratory) pp. 123, 328, 380
Flames, p. 415
Flame ignition, p. 205
Flame resistance techniques, p. 248
Flame retardant, pp. 60, 236, 439, 454
Flame retardant (urethane foam) p. 439
Flame spread, pp. 123, 205
Flaming combustion, p. 427
Flammable liquid, p. 142
Flammable textiles, p. 175
Flashover, p. 5
Fluoropolymers, p. 153
Foamed plastic insulation, p. 179
Forest fuels, p. 260
Fuels, p. 415
Fungi, p. 454
Furniture, p. 5
Furniture calorimeter, p. 5
Halogenated polymers, p. 153
HCl, p. 153
Heat release rates, pp. 5, 205, 380
Heat transfer, p. 175
Heating rates, p. 104
Heating rates (fire experiment) p. 257
HF, 153
Hydrochloric acid emission, p. 106
I.E.C. large scale method, p. 106
Ignition, p. 400
Incapacitating effects of narcotic toxicants, p. 286
Incapacitation, pp. 20, 153
Inhalation toxicity, p. 153
Insulation board, p. 454
Insulation (cavity walls), p. 179
Laminar flames, p. 348
LC_{50}, pp. 104, 306, 362
Lethality, p. 153
Liquid fuels combustion, p. 400
Low density fiberboard, p. 454
Mathematical model, effect of toxicants, p. 286
Measurement, p. 106
Methane, p. 415
Methyl methacrylate, p. 60, 348
Micro/thermogravimetric method, p. 106

continued

SUBJECT INDEX

Acrolein, p. 142
Acute toxicity, p. 306
Animal exposure, p. 328
Apparel flammability, p. 175
Bioassay, p. 82
Burning rates, pp. 5, 348
Calorimetry, pp. 205, 380
Carbon monoxide, p. 142
Cavity wall insulation, p. 179
Cellulose derivatives, p. 248
Chloride ions selective electrode p. 106
Chlorofluoropolymers, p. 153
CO, p. 104
Combustion, pp. 260, 415, 427
Combustion conditions, p. 328
Combustion modifier, p. 439
Combustion products, pp. 205, 328
Combustion toxicity, p. 82
Combustion toxicology, pp. 306, 362
Cotton cellulose, p. 248
Cotton fabrics, p. 236
Density of smoke, p. 427
Diffusion, p. 60
Diffusion flame, p. 70
DIN tube, p. 427
Ease of extinguishment, p. 175
Electrical nonmetallic tubing, p. 37
Electroencephalogram, p. 20
Evolved combustion products, p. 104
Evolved gas analysis, p. 260
Experiment (heating rate) p. 257
External radiation, p. 70
Extinction limit, p. 70
Extinguishability, p. 175
Fabrics, p. 205
Fiberboard, p. 454
Fire, p. 348
Fire gases, p. 286
Fire modeling, pp. 123, 306
Fire models, p. 427
Fire proofing, p. 454
Fire tests (laboratory) pp. 123, 328, 380
Flames, p. 415
Flame ignition, p. 205
Flame resistance techniques, p. 248
Flame retardant, pp. 60, 236, 439, 454
Flame retardant (urethane foam) p. 439
Flame spread, pp. 123, 205
Flaming combustion, p. 427
Flammable liquid, p. 142
Flammable textiles, p. 175
Flashover, p. 5
Fluoropolymers, p. 153
Foamed plastic insulation, p. 179
Forest fuels, p. 260
Fuels, p. 415
Fungi, p. 454
Furniture, p. 5
Furniture calorimeter, p. 5
Halogenated polymers, p. 153
HCl, p. 153
Heat release rates, pp. 5, 205, 380
Heat transfer, p. 175
Heating rates, p. 104
Heating rates (fire experiment) p. 257
HF, 153
Hydrochloric acid emission, p. 106
I.E.C. large scale method, p. 106
Ignition, p. 400
Incapacitating effects of narcotic toxicants, p. 286
Incapacitation, pp. 20, 153
Inhalation toxicity, p. 153
Insulation board, p. 454
Insulation (cavity walls), p. 179
Laminar flames, p. 348
LC_{50}, pp. 104, 306, 362
Lethality, p. 153
Liquid fuels combustion, p. 400
Low density fiberboard, p. 454
Mathematical model, effect of toxicants, p. 286
Measurement, p. 106
Methane, p. 415
Methyl methacrylate, p. 60, 348
Micro/thermogravimetric method, p. 106

continued

Subject Index continued

Modeling of toxicological effects, (fire gases), p. 286
Molecular relaxation, p. 60
Narcotic fire gases, p. 286
Natural products, p. 82
Neoprene foam, p. 205
Nerve conduction, p. 20
Numerical computations, p. 400
Oxygen consumption, p. 380
Oxygen index, pp. 123, 248
Phosphorous containing dial, p. 439
Plasticizers, p. 123
Polyacrylates, p. 236
Polymer burning, p. 70
Polymethylmethacrylate, pp. 60, 348
Polyurethane foam, p. 205
Polyvinyl chloride, pp. 82, 123
Polyvinylchloride tubing, p. 37
Primates, p. 20
Propagating flames, p. 415
PVC, pp. 82, 123
PVC cable compounds, p. 106
PVC/ENT, p. 37
Pyrolysis, p. 106
Radiant furnace, pp. 306, 362
Rigid urethane foam, p. 439
Rodents, p. 82
Room fires, p. 5
Room fire test, p. 380
Small scale, p. 82
Small-scale toxicity testing (and CO) p. 104
Smoke, p. 276
Smoke accumulation, p. 276
Smoke measurement, p. 276
Smoke prediction, p. 276
Smoke toxicity, pp. 37, 153, 306, 362, 427
Smoldering ignition, p. 205
Stratified charge engines, p. 415
Stratified combustion, p. 415
Sucrose, p. 142
Surface addition, p. 60
Textiles, pp. 175, 236
Thermogravimetry, p. 260
Thermoparticulates, p. 260
Toxic gases, p. 306
Toxic hazard, pp. 37, 142
Toxicity of evolved combustion products, p. 104
Toxicity test, p. 328
Tubing, electrical nonmetallic, p. 37
University of Pittsburgh test method, p. 362
Upholstered furniture, pp. 5, 205
Wood-based panels, p. 454
Wood smoke, pp. 276, 362

AUTHOR INDEX

Alexeeff, G. V., pp. 306, 362
Babrauskas, V., pp. 5, 205
Badr, O. A., p. 415
Beninate, J., pp. 236, 248
Benjamin, I. A., p. 104
Brenden, J. J., p. 276
Chan, H. S. O., p. 106
Chol, K. K., p. 175
Clements, H. B., p. 260
Crawford, M. B., p. 37
Dickens, E. D., p. 123
Drake, G., pp. 236, 248
Einbrodt, H. J., p. 427
Fairall, P. A., p. 175
Gad, S. C., pp. 104, 153
Gale, T., p. 70
Gibilisco, R. D., p. 439
Grand, A. F., p. 153
Green, J., p. 439
Guerra, G., p. 60
Hartzell, G., p. 286
Hinderer, R. K., p. 82
Huggett, C., pp. 257, 328
Hupfeld, J., p. 427
Kaplan, H. L., pp. 153, 286
Karim, G. A., p. 415
Krasny, J., p. 205
Lee, F. T., p. 439

continued

Author Index continued

McMahon, C. K., p. 260
Morikawa, T., p. 142
Nicolais, L., p. 60
Östman, B., p. 454
Packham, S. C., pp. 37, 306, 362
Parker, W. J., p. 380
Prager, F. H., p. 427
Purser, D. A., p. 20
Riccio, V., p. 60
Sand, H., p. 427
Sibulkin, M., p. 70, 348
Smith, p. 104
Spivak, S. M., p. 175
Switzer, W. G., p. 153
Taylor, W., p. 175
Teodorczyk, A., p. 400
Trask, B., pp. 236, 248